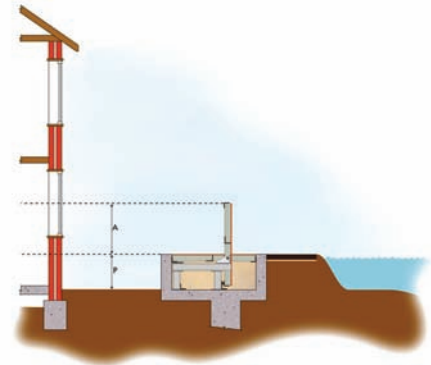


TILT-DAM – Information for the Professional Team Applications, Land Usage, Aftercare and Insurance

TILT-DAM – Applications

TILT-DAM is a perimeter defence (similar to a corral) and can be laid at convenient distances clear of the properties so that, in flood conditions, normal living and circulation can be maintained within the perimeter. Hence property owners are not stranded in their homes for the extent of the flood. Means of access across the defence is provided to suit the terrain.

The defence can be active only, or active combined with passive, provided by a raised berm. The width of the unit when horizontal is related to the required flood defence height and in general terms is 50% more, so as to allow for the rotating hinge being at or near the third point.



TILT-DAM – Land Usage

TILT-DAM can be installed on a group ownership basis, whereby the owners set up their own organisation and take their flood defence into their own hands. The most likely situations where this can apply are:-

- Housing already affected by flooding
- Housing not yet affected by flooding, but now under threat from increased rainfall forecasts.
- Housing made possible on land released for development and previously barred for use being within a flood plain. Here the terrain can be altered to use part for development and the remainder for increased flood capacity.
- Commercial developments, such as industrial estates, with high value properties under threat from flooding.

TILT-DAM - Aftercare

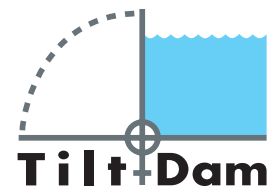
TILT-DAM has been developed principally for the private sector as a self-help system, not reliant on public authorities for the service of activating the defence in the time of a flood. TILT-DAM Ltd. will provide training and guidance on the correct usage and maintenance of the system. It is envisaged that the owners of TILT-DAM will exercise their responsibilities for the safe and timely operation of the system in a number of ways, for example as:-

- Housing Associations – through employees of their management companies
- Parish Councils and Private Estates – through local contractors under term contracts.
- Companies with High Value Assets - through trained staff similar to a private fire brigade.

TILT-DAM - Insurance

It is envisaged that the use of TILT-DAM will be actively endorsed by insurers, who recognise the natural desire for owners to have direct control over their flood defences and not to be reliant on a public service, usually severely stretched in times of emergency.

Discussions that TILT-DAM have had with the ABI have confirmed that annual certification, on the lines of that for burglar alarms, will be mandatory. This will entail an inspection of each unit by raising and securing it and noting any requirements for maintenance. These inspections can be done by TILT-DAM staff by arrangement.



TILT-DAM – Information for the Professional Team Features, Single Point of Delivery, Safety

TILT-DAM – Features

TILT-DAM is the name given to a completely self contained permanent demountable flood defence system. It has the following features which, in combination, are not available with any other form of current demountable flood defence. This makes TILT-DAM unique to the UK flood defence market and is particularly appropriate to the housing industry, as well as high value commercial properties.

- It is laid as a stand off perimeter flood defence to groups of houses/buildings/properties
- The horizontal surface acts as a road or footpath or access and is available in a variety of finishes.
- The vertical surface acts as a flood defence wall, with a seal between each of the units
- It is designed for a life of 50 years and is of very robust yet simple construction
- It is laid in straight lines at ground level in preformed sections over an engineered foundation
- The foundation can be shaped to afford facilities for perimeter service runs for water, gas, telephones, cabling for all electrics and sewerage/storm water disposal
- It is self contained with all kit necessary for a secure defence stored underneath
- It is very fast to erect and secure – at the rate of more than a metre a minute
- It can be erected manually by unskilled labour, acting in pairs, without any need for ancillary power.
- It is easily maintained – only lubrication of bearings and locks need regular checks. Seals are long life.
- It affords the UK's first 'self-help' flood defence no longer reliant on a public flood defence service.

TILT-DAM – Single Point of Delivery

TILT-DAM Ltd. is currently in the process of licensing approved major civil engineering contractors for the design, manufacturing, and installation of TILT-DAM as a single point of delivery. Only those contractors operating nationwide who have the necessary skills and manufacturing and installation capability are being considered.

This approach ensures competitive bids and a single point of delivery from licensed contractors who can deliver and install the TILT-DAM units reliably on time and to the Client's requirements.

TILT-DAM – Safety

The following safety features are incorporated in the system, as required-

- Staging: as a platform for erection and insertion of side seals
- Handrailing: to guard against the open dry duct
- Long life battery-operated light on each unit for night time work
- Lightning conductor provision
- A latch to hold the unit vertical until the flood arrives.
- Pairs of locks to hold unit firmly in the horizontal position.

